APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Contributions to the Complex Chemistry of the Phosphines and Phospine Oxides. IX. Heavy Metal Complexes of XXX Tetracyclohexyl Diphosphine, by K. Issleib, G. Schwager, 11 pp.

GERMAN, per, Z. fur Anorganische Chemie, Vol CCCXI, No 1/2, 1961, pp 81-91.

SLA 62-24542

Sci
Feb 63
Vol VIII, No 11

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Correlation between OH-Valence Frequencies and OH . . . OH-, and OH . . . O-Distances in Sold Hydroxides, by E. Schwarzmann.
GERMAN, per, Zeit fuer Anorganische und Allgemeine Chemie, vol. 317, no. 3/4, 1962, pp. 176-185.
NTC 71-11095-07B

August 71

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Piekos, R., and Wojnowski, W.
STUDY OF THE ALCOHOLYSIS OF SiS_2, PT. 2: PREPARATION OF TRIALKOXYSILANETHIOLS AND TETRAALKOXYCYCLODISILTHIANES FROM THE TERTIARY ALCOHOLS. [Feb 63] 5p.
Order from ATS $5.00 ATS-09Q67G

Trans. of Z[eitschrift fur] Anorg[anische] Chem[ie] (East Germany) 1962, v. 318, p. 212-216.

DESCRIPTORS: *Silicon compounds, *Sulfides, *Silanes, *Thiols, Preparation, *Alcohols.

(Chemistry--Organic, TT, v. 9, no. 9)

63-12752

I. Piekos, R.
II. Wojnowski, W.
III. Title: Preparation ...
IV. ATS-09Q67G
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

R. Scholder

Compounds of the B-Alumina Type.
GERMAN, per, Zeitschrift fuer Anorganische und Allgemeine Chemie, Vol 321, 1963,
pp 246-261
NTC 72-13173-07B

sept 72

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Atomic Weapon and Its Employment in Attack
Defense, by N. Mamm Kortenicw, 9 pp.
1275664), UNCLASSIFIED

LISH, per, Z Armii Opcych, No 8, Aug 1954,
ig. appeared in Tankist, No 6, 1954.

G-2, GSUSA G-4356

Lar - Polish
Military -

Apr 55 CNS

23,433

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Furbringer.
INJURIES CAUSED BY SMOKING TOBACCO. [1962] 19p.
Order from K-H $23.75 K-H 3367-f

Trans. of Zeit[schrift] für Ärztliche Fortbildung (Germany) 1923, v. 20, p. 697-703.

DESCRIPTORS: *Tobacco, *Smokes, *Injuries, *Cigarettes.

(Biological sciences--Pathology, TT, v. 8, no. 7)

62-17965

I. Furbringer
II. K-H-3367-f
III. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Oxyurides and No End, by W. F. Winkler, 9 pp.

GERMAN, per, Ztschr fuer Artzl Fortbildung, Vol XLVIII, No 5, 1 Mar 1954, pp 164-166.

NIH

Scientific - Chemistry
CTS 70/Jul 55

25,521

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Blood Sugar Depression by Sulphonamide Compounds, by H. Kleinsorge.

GERMAN, per, Z. artzl Fortbildung, Vol L, 1956, pp 407-411.

IRDOC-T1983

Sci

Aug 59

93,665

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Theoretical Observations Concerning the Mechanism of Malignant Degeneration With Special Reference to Oncogenous Viruses, by A. Griffi, 12 pp.

GERMAN, pub, Zeitschrift fur Aerztliche Fort-bildung, Vol V, No 12, 1956, pp 923-925.

I

XXII 1-6

Sci - Med

Feb 59

80,851

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Heine, U., Graffi, A. and others.
ELECTRON MICROSCOPIC EXPERIMENTS ON NORMAL CELLS AND TUMOR CELLS OF RAT'S LIVER (Elektronenmikroskopische Untersuchungen an Normalen Zellen und Tumorzellen der Rattenleber) tr. by K. A. Hochschwender. 30 June 60, 12p. (8 figs. omitted) 17 refs. No. 6-24-60.
Order from OTS or SLA $1.60 60-19481

Trans. of reprint of Zeitschrift für Ärztliche Fortbildung (East Germany) 1957, v. 51, no. 15, p. 648-652.

DESCRIPTORS: *Liver, *Neoplasms, *Cells (Biology), Electron microscopy.

(Biological Sciences--Pathology, TT, v. 7, no. 3)

60-19481

1. Heine, U.
II. Graffi, A.
III. NIH-6-24-60
IV. National Institutes of Health, Bethesda, Md.

12-29-61
Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Keil, R.
A FEW REMARKS ON CANCER STATISTICS. Sep 60. 4p.
Order from K-H $5.00 K-H 10177-c

Trans. of Z[eitschrift für] Ärztl[iche] Fortbild[ung] (East Germany) 1960. v. 54. no. 4. p. 214-215.

DESCRIPTORS: *Cancer. *Statistical data.

(Biological Sciences--Pathology, TT. v. 8, no. 51

62-17395

I. Keil, R.
II. K-H-10177-c
III. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Techaical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Applicability of Saccharomyces Cereviae (Baker's Yeast) for the Demonstration of Blood Group Factors and Erythrocyte Antibodies, by G. Pamfhausen, et al. GERMAN,per, Z. F. Artzl Fortbild, (Jena), Vol LVI, No 14, 1962, pp 784-788. NIH 11-12-64

Sci-BGM
Jul 65 286,127

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Experience with a New Beverage for Workers Exposed to Heat, by R. Schulz, C. D. Altmann.
8 pp.
GOVERNMENT USE ONLY
GERMAN, per, Zeit fuer Aerztliche Fortbild,
Vol 58, 1964, pp 452-454.
NASA TT F-12,665

Sci-B&M
Jan 70

400,414

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Rate of Change in Body Functions During Long-Term Static and Energetically Modest Stress in a Motionless Sitting Position, by M. Vaneckova.

GERMAN, per, Zeitschrift fur Arztliche Fortbildung Vol 62, 17 Nov. pp 980-986.

*NASA TT F 13,050

sci/b and m
may 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

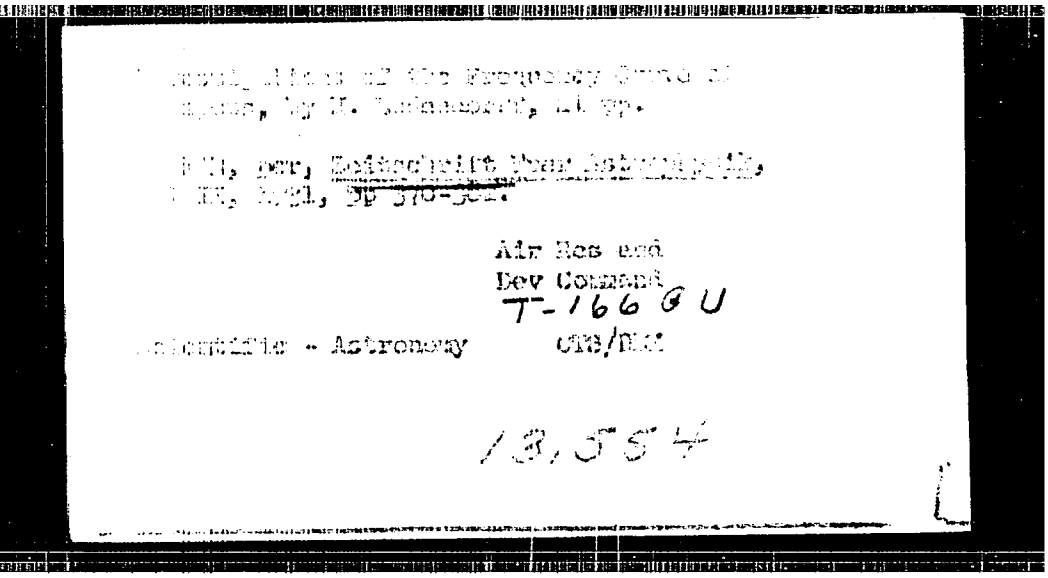
Total Absorption as a Measure of the Number of Dispersion Electrons, by Wilhelm Schutz.
GERMAN, per, Zeit. Astrophysik, Vol 1, 1930, pp 300-313. 9232874
AEC ORNL-tr-1144

Sci/Electronics
Jun 66

302,467

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3



[illegible] Mass of the Frequency Curve of [illegible], by H. Zahnsdorf, 11 pp.

[illegible], per, Zeitschrift fuer Astrophysik, [illegible], 1931, pp 370-382.

Air Res and
Dev Command
T-166 G U

[illegible] - Astronomy CNS/NRC

13,554

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

WALDMEIER, M. Chromospheric processes during form
of sunspots.
Z.Astrophys. 14:91-103 (1937) (CSIRO/No. 1028

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Significance of Radiation Pressure and Gravity for the Distribution of Interstellar Matter, by C. Schalen, 33 pp.

GERMAN, per, Z. fuer Astrophysik, Vol XVII, 1938, pp 260-284.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys

Jan. 60

106,237

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Comparative Observations on the Corona Lines 5303, 5694, and 6374 A, by M. Waldmier, 14 pp.

GERMAN, per. Z fuer Astrophs Vol XX, 1940, pp 172-191.

SLA 59-10112

Sci - Geophys
Jul 59
ots I, 11

90,996

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Observations of the Corona Before and After the Total Eclipse of the Sun of October 1, 1940, by M. Waldmeier, 6 pp.

GERMAN, per, Z. fuer Astrophysik, Vol XX, 1941, pp 246-.

SLA 59-10106

Sci-Astron
Jun 59
CIB I, 10

89,694

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Profile of the Coronal Line, by M. Waldmeier, 3 pp.

GERMAN, per, Z fuer Astrophysik, 1941, Vol XX, p 323.

SLA 59-10108

Sci - Astron
CRS I, 12
Jul 59

92, 230

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Radiation from the Sun in the Far U.V.I. Theory of Chromospheric Flares Eruptions, by K. O. Kiepenheuer, 16 pp.

GERMAN, per, Z fuer Astrophysik, 1941, Vol XX, pp 332-.

SLA 59-10121

Sci - Astron
CNB I, 12
Jul 59

92,227

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Systematic Latitude Drift of Sunspots,
by Jaakko Tuominen.
GERMAN, pur, Zeit fur Astrophysik, Vol XXI,
1941, pp 96-108. P100160667
AFCRL T-0-250

NLL REF. 7773. 752 (T-0-250)

Sci-Astronomy and Astrophysics
Jun 67

327,[illegible]282

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Identification of the Emission Lines in the Spectrum of the Solar Corona, by Uppsala Bengt Edlen, 38 pp.
GERMAN, per, Zeitschrift fur Astrophysik, Vol 22, 1943, pp 30-64. F-111235/67
AEC NP Tr-1529

331,141

Sci - Physics
Jul 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Origin of the Planetary System, by
C. F. von Weizsacker, 36 pp.
GERMAN, per, Zeit fur Astrophysik, Vol XXII,
1944, pp 319-355. 969\2083
DDC RSIC-138

Sci - Earth Sci & Astron
Apr 64

253,309

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Discovery and Measurement of Large Magnetic Fields on the Surface of the Sun, by H. von Kluber.

GERMAN, per, Z. fuer Astrophysik, Vol XXIV, No 1/2, 1948, pp 121-160.

CSIRO 5079

Sci - Gophys
Jul 62

207,639

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Zur Berechnungder Zustandsummen fuer Atome und Ionen in Einem Teil Weise Ionisierten Gas, by A. Unsold.

GERMAN, per, Z fuer Astrophysik, Vol XXIV, 1948, pp 356-362.

*Rand Corp
(per Miss Melhado 13-4-64)

Sci -
Apr 64

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Long-Wave End of the Continuous X-Ray Spectrum and the Theory of Radio Frequency Radiation From the Milky Way and the Sun, by G. Burkhard, G. Elwert, A. Unsöld, 1 p.

GERMAN, Zeitschrift fur Astrophysik, Vol XXV, 1948.

Navy Tr 53/NRL 256
SLA-Tr

Germany
Scientific - Astronomy

17,027

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Connection Between the Chromospheric and the Coronal Spectrum of the Sun and the Excitation in the Chromosphere, by Karl Wurm, 35 pp.

GERMAN, per, Z fuer Astrophysik, 1948, Vol XXV, pp 109-134.

SLA 59-1/213

Sci - Astron
ORB I, 12
Jul 59

92, 2 31

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Cause of the Chromospheric Turbulence and the UVexcess of Solar Radiation, by L. Biermann. GERMAN, per, Z. Astrophys, Vol 25, 1948, pp 161-177.
CSIRO/9636
Vol 17, No 3, 1969

July 69 385-140

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Origin of Chromospheric Turbulence and the Ultraviolet Excess of Solar Radiation, by L. Biermann. GERMAN, per, Z fuer Astrophysik, Vol XXV, 1948, pp 161-177.
NASA TT F-9150

Sci-Ear Sci & Astron
Jan 65
U.S. GOVERNMENT ONLY

270,898

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Center-Limb-Variation of the Balmer Lines H - H On the Solar Disc, by Tom Bruggencate, P., Collnow, H., Gunther, E.

GERMAN, per, Z Astrophys, Vol XXVI, 1949, pp 51-78.

NASA TT F-8114

Sci

185, 925

6 Mar 62

US GOV'T ONLY

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Origin of the Radio Frequency Radiation and of Cosmic-Radiation in the Milky Way, by Albrecht Unsöld, 24 pp. UNCLASSIFIED

Full translation.

GERMAN, per, Zeitschrift fuer Astrophysik, Vol XXVI, 1949, pp 176-199.

Navy Tr 652/NRL 406

Scientific - Physics

Sep 52 CT3/DEM

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Wave Functions and Transition Probabilities
of the Mg I Atom. Part I. by L. Biermann.
E. Trefftz.
GERMAN, per, Zeit Astrophys, Vol XXVI,
1949, pp 213-239.
NASA TT F-8794
8794

Sci-Phys
Aug 66
U. S. GOVERNMENT USE ONLY 308,908

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

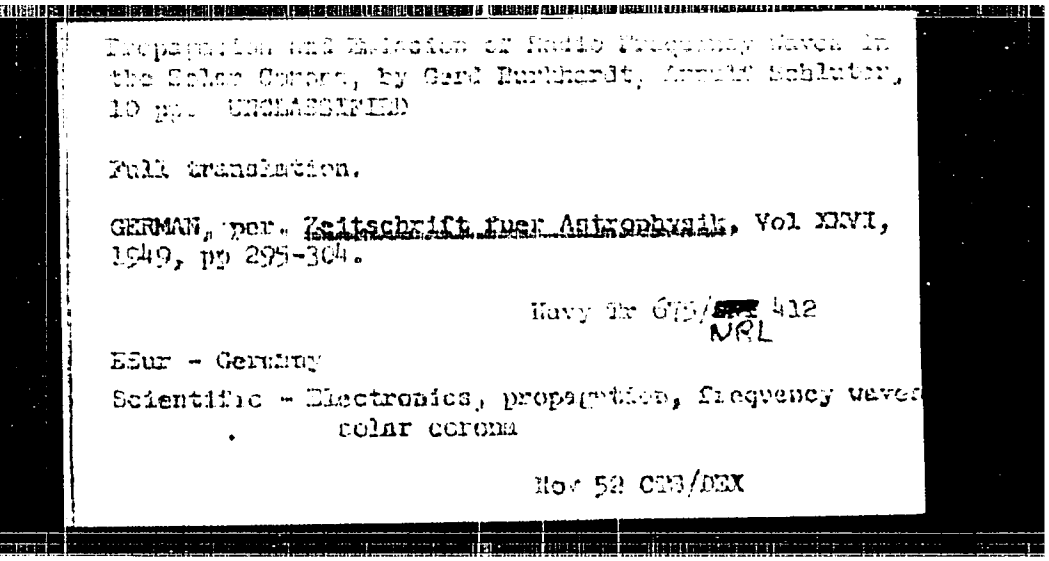
APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Wave Functions and Transition Probabilities
of the Photoelectrons of the Hg I Atom Part II.
by E. Trefftz.
GERMAN, per, Zeit Astrophys, Vol XXVI, 1949,
pp 240-263.
NASA TT F-8795

U. S. GOVERNMENT USE ONLY
Sci-Phys
Aug 66 309,655

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3



Propagation and Emission of Radio Frequency Waves in the Solar Corona, by Gerd Burkhardt, Arnold Schluter, 10 pp. UNCLASSIFIED

Full translation.

GERMAN, per. Zeitschrift fuer Astrophysik, Vol XXVI, 1949, pp 295-304.

Navy tr 675/[redacted] 412
NRL

ESur - Germany

Scientific - Electronics, propagation, frequency waves
solar corona

Nov 52 CMS/DEX

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Temporal Changes of the Magnetic Field Intensity of Sun Spots During One Day, by K. Brunnskow, W. Grotrian. GERMAN, per, Z fuer Astrophysik, Vol XXVI, 1949, pp 313-324.

NASA TT F-8489

E,S,+H
Sci - Phys
Feb 64
U. S. GOVERNMENT ONLY

250,167

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Statistical Investigation of the Daily Change in Magnetic Field Intensity of Sunspots, by W. Grotrian, H. Kunzel. GERMAN, per, Z fuer Astrophysik, Vol XXVI, 1949, pp 325-338.

NASA TT F-8490

Sci - E. S. & Ast
Mar 64
U.S. GOVERNMENT ONLY

251,868

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Nature of N-Regions, by M. Waldmeier, 4 pp.

GERMAN, per, Z fuer Astrophysik, 1950, Vol XXVII, pp 42-45.

SLA 59-10104

Sci - Astron
CSB I, 12
Jul 59

92, 229

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Solar Radiation in the Region of Wavelength, by M. Waldmeier, H. Müller, 21 pp.

Full translation.

GERMAN, per, Zeitschrift fur Astrophysik, Vol XXVII, No 1, 1950, pp 58-72.

S.L.A.

Scientific - Astronomy

27,445 Aug 55

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Attenuation and Center-Limb Variation of the Wings of the Mg-Series 3^1P-n^1D on the Sun, by H. H. Voigt.

HERMAN, per, Z. Astrophys, Vol XXVII, 1950, pp 82-106.

NASA TT F-8113

Sci

185, 907

6 Mar 62

US GOV'T ONLY

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Propagation of Shock Waves in the Solar Atmosphere, by Herbert Schirmer. UNCLASSFIED

GERMAN, per, Zeitschrift fur Astrophysik, Vol XXVII, 1950, pp 132-152.

Navy Tr 938/NRL 459

Scientific - Astronomy Feb 54 CTS/DEX

9350

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Wave Functions and Transition Probabilities in the Mg I Atom. Part III, by [illegible]
GERMAN, per, Zeit Astrophys, Vol XXVIII, 1950, pp 67-78.
NASA TT F-8796

U. S. GOVERNMENT USE ONLY
Sci-Phys
Aug 66 309,656

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Comet Tails and Solar Corpuscular Radiation, by
L. Biermann, 29 pp.

GERMAN, per, Z Astrophys, Vol XXIX, 1951, pp 274-286.

AEC UCRL Tr-511(L)

Sci - Astron
Aug 60

123,981

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Wave Functions of the Neutral Calcium Atom,
by E. Trefftz.
GERMAN, per, Zeit Astrophys, Vol XXIX,
1951, pp 287-303.
NASA TT F-8797

U. S. GOVERNMENT USE ONLY
Sci-JPhys
Aug 66 309,657

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Optical Thickness and He II - H Line Intensities in Planetry Nebulae, by K. Wurm, O. Singer.

GERMAN, per, Zeitschrift fur Z Astrophys, Vol XXX(3), 1952, pp 153-163.

TPA3/TIB Tr No T 4035

Scientific - ~~Chemistry,~~ intensities, nebulae, optical ASTRophysics, Physics

Index Aeronauticus

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Use of Voigt Functions for Correcting Spectral Tr.
Line Distortion, by G. Elste, 50 pp.

GERMAN. er, Z Astrophys, No 33, 1953, pp 39-73.

SLA 57-3558

Sci

Jul 59

91,298

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Latitude Drift of Sunspots, by U. Becker,
10 pp.
GERMAN, per, Zeit fur Astrophysik, Vol XXXIV,
1954, pp 129-136. P100139767
APCRL T-G-251

Sci - Astron & Astrophysics
May 67

326,986

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

POWER-FREE MAGNETIC FIELDS, BY R. LUST, A. SCHLUTER, 17 PP.

GERMAN, PER, ZEITSCHRIFT FUER ASTROPHYSIK, 1954, PP 263-282.

ACSI 1-1528
ID 2201384

SCI-ELECTRON
13 AUG 62

206,275

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

TT-65-13701 Field 3B

Kippenhahn, R.
INVESTIGATIONS OF ROTATING STARS. I. THEORY OF ZERO ORDER. 30p, 0refs.
Order from SLA: $2.60 as TT-65-13701

Trans. of Zeitschrift fuer Astrophysik (West Germany) v38 n3 p166-89 1955.

MR 663

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Coronal Emission Regions and Their Relationship to Sunspots and Faculae, by A. Brunek, 17 pp.

Astrophysik,

GERMAN, per, Z. fuer, Vol XXXV, 1955, pp 213-232.

SLA 59-10124

Sci-Astron
Jun 59
CDS I, 10

89,693

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Density Increase of HI Regions,
Rolf Ebert.
GERMAN, per, Z fur Astrophysik, Vol XXXVII,
1955, 217-232. 9232034
UCRL Tr 1290(L)

Sci - ES
Mar 66 296,549

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Center-Limb Variation of Hδ Line Width, of Hδ Central Intensity and of Flare Areas, by Anton Bruzek, 10 pp.

GERMAN, per, Z fuer Astrophysik, 1955, Vol XXXVIII, pp 1-13.

SLA 59 -10125

Sci - Astron
OTS I, 12
Jul 59

92,226

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Xenon High Pressure Arc as the Standard Beam, by Th. Heller.

GERMAN, per, Z fuer Astrophysik, Vol XXXVIII, 1955, pp 55-63.

Navy Tr 1546/NRL 638
48, 263

Sci - Physics

Jun 57

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Variation of Solar Radio Emission at λ=10.7 cm. in the Eleven-Year Solar Cycle, by M. Waldmeier, 16 pp.

GERMAN, per, Z. f. Astrophysik, Vol XXXVI, 1955, pp 181-193.

SLA Tr 1544

Sci - Astronomy
Apr 1957

Jan 1957

46,145

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Transfer of Angular Momentum by Magnetic Fields and the Slowing-Down of Rotating Stars, by R. Lust, A. Schluter.

GERMAN, par, Z. fuer Astrophysik, Vol XXXVIII, 1955/1956, pp 190-211.

CSIRO 5618

Sci - Astronomy
Aug 62

20%, 337

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On Tidal Friction for the Two-Body Problem, by Gerstenkorn, Horst. GERMAN, per, Zeit fur Astrophysik, Vol XXXVI, 1965, pp 245-274. *RAND

Sci-Chem
Oct 65

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Radiation Field of the Chromosphere-Corona Transition Layer, by L. Oster.

GERMAN, per, Z. fuer Astrophysik, Vol XL, No 1, 1956, pp 28-52.

CSIRO 3354

Sci - Geophys
Jul 62

207,730

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

X-Radiation of Coronal Condensations, by
G. Elwert, 24 pp.
GERMAN, per. Zeit. fur Astrophsik, Vol 41,
1956, pp 67-83 P200223968-V
RSIC-821
GOVERNMENT USE ONLY

Sci/Astron
Oct 68

367,667

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Rotation of the Sun, by M. Wadmeier.
GERMAN, per, Zeit fur Astrophysik, Vol 43,
No 29, 1957, pp 42-66.
*NASA TT F-12,116

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Bruzek, Anton and Becker, U.
ABOUT ERUPTION-LIKE FLARES IN FILAMENT RISES [AND] THE FILAMENT RISE OF AUGUST 9, 1956. [1963] 21p. (2 figs. omitted) 10 refs.
Order from SLA $2.60 63-14898

Trans. of [Zeitschrift für Astrophysik] (West Germany) 1957, v. 42, no. 2, p. 76-86.

DESCRIPTORS: *Solar flares, Solar disturbances, Filaments, Optical properties, Physical properties, Astrophysics, Photographic analysis

(Astronomy--Astrophysics, TT, v. 10, no. 4)

63-14898

I. Bruzek, A.
II. Becker, U.
III. Title: Filament...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Kippenhahn, R. and Schlüter, A.
A THEORY OF SOLAR FILAMENTS. [1963] [53]p.
9 refs.
Order from SLA $5.60 63-14888

Trans. of [Zeitschrift für Astrophysik] (West Germany) 1957, v. 43 [no. 1] p. 36-62

DESCRIPTORS: *Solar corona, Magnetic fields, Gravity, Electric currents, Gases, Pressure, Stability, Equations, Astrophysics, Theory, *Solar flares.

A theory of the stationary support of solar filaments (prominences) by the magnetic field of field patches is proposed. Only at those places where the magnetic field is horizontal a filament can be supported. In addition conditions of stability have to be fullfilled. Some simple two-dimensional models of the kind are (Astronomy--Astrophysics, TT, v. 10, no. 4) (over)

63-14888

1. Title: Solar filaments
I. Kippenhahn, R.
II. Schlüter, A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Investigations Concerning Rotating Stars. II.
The Theory of the First Order, by T. Kippenhahn.
GERMAN, per. Z. fur Astrophysik, Vol XLVI, 1958,
pp 20-45.
NASA TT F-8755

Sci-IIS/A
May 61
U.S. GOVERNMENT ONLY 28ul,027

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Frequency Distribution of the Orbital Elements in the Interplanetary Dust Particles, by U. Haug. GERMAN, per. Zeit. Astrophys, Vol 44, pp 71-97, 1958 NASA TT F-8770

Sci-Eng'A
Nov 65 291,690

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Bruzek, Anton.
THE FILAMENTS AND ERUPTIONS OF AN ACTIVITY CENTER. Communication no. 34 from the Fraunhofer Institute. [1963] [38]p. (figs. omitted) 13 refs. Order from SLA $3.60 63-16303

Trans. of Zeitschrift fur Astrophysik (West Germany) 1958, v. 44, no. 3, p. 183-202 (Fraunhofer Institut. Mitteilungen (West Germany) no. 34).

DESCRIPTORS: *Sun, Sunspots, *Solar flares, Solar atmosphere, Solar disturbances, Optical properties, Spectrographic analysis, *Solar corona.

By means of Hα-filtergrams secured at the Capri station of the Fraunhofer Institute an old center of activity has been followed on its passage across the solar disk from June 23 to July 6, 1957. The behaviour of its filaments was studied extensively and a detailed (Astronomy--Astrophysics, TT, v. 10, no. 8) (over)

63-16303

1. Title: Solar filaments
I. Bruzek, A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Diffraction Of Radiowaves In the Solar Coronoa, and the Centre-Periphery Variation Of the Undisturbed Solar Radiation In the Metre Range, by H. Scheffler.

GERMAN, per, Zeitschrift Fur Astrophysik, Vol XLV, No 2, 1958, pp 113-148.

CSIRO Tr 4371

Oct. 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Star Models: The Development of Type-II Stars,
by R. Kippenhahn, S. Temesvary, et al.
GERMAN, per, Z fuer Astrophysik, Vol XLVI, 1958,
pp 257-275.

NASA TT F-8404

Sci - & E. S. & Ast
Mar 64
U.S. GOVERNMENT ONLY 251,923

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

TT-65-13706 Field 3B

Baker, N.; Kippenhahn, R.
INVESTIGATIONS OF ROTATING STARS. III. MERIDIONAL CIRCULATION IN THE CASE OF NON-FIGID ROTATION. 21p, 6refs.
Order from SLA: $2.60 as TT-65-13706

Trans. of Zeitschrift fuer Astrophysik (West Germany) v48 n2 p140-54 1959.

MR 663

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

TT-65-13705 Field 3B

Kippenhahn, R.
INVESTIGATION OF ROTATING STARS. IV. THE STATE OF MOTION OF HYDROGEN IONIZATION ZONE IN THE CASE OF EARLY SPECTRAL TYPES.
10p, 11refs.
Order from SLA: $1.10 as TT-65-13705

Trans. of Zeitschrift fuer Astrophysik (West Germany) v48 n3 p205-12 1959.

MR 663

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Theory of Astronomical Scintillation, Part I,
by H. Elsasser & H. Siedentopf.
GERMAN, per, Zeitschrift fur Astrophysik, Vol 48,
1959, pp 213-230.
AEC-SC-T-68-1501 P911063768-V

Sci/Atmos Sci
Apr 68

351.233

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Kiepenheuer, K. O.
DENSIFICATION OF CORONAL MATTER. [1963] 13p. 7 refs.
Order from SLA $1.60 63-14653

Trans. of Zeitschrift für Astrophysik (West Germany) 1959, v. 48, p. 290-297.

DESCRIPTORS: *Solar corona, Solar flares, Density, Pressure, Cooling, Magnetic fields, Compressive properties.

Because of the very efficient radiative cooling, the gas pressure of coronal matter will not increase when compressed. Thus, an external pressure will bring coronal matter rapidly to the density and temperature of a prominence. Within a center of activity, the required pressure will be supplied from the colliding or forming magnetic fields, which, in addition, are needed to pro-
(Astronomy--Astrophysics, TT, v. 10, no. 3) (over)

63-14653

I. Kiepenheuer, K. O.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Determination of Extinction in the Earth's Atmosphere at Wavelengths of 20 and 3.2 C., by F. Furstenberg, 21 pp.
GERMAN, per, Zeitschrift fur Astrophysik, No 49, 1960, pp 42-60.
F911017168
ABC-NRC-TT-1302

Sci-Atmos
Mar 68

349,334

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Structure of the Disturbed Solar Atmosphere, by K. Kiepenheuer. 26pp.

GERMAN, per, Z fuer Astrophysik, Vol XLIX, No 2, 1960, pp 73-94.

SLA 63-18431
CSIRO 4593
NASA TT F-9439
(US [illegible] only)
157,853

Sci & Astron

Jun 60

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Solar Bursts of Type III and Their Relation to Flares, by R. Rabben.

GERMAN, per, Z fuer Astrophysik, Vol XLIX, No 2, 1960, pp 95-109.

CSIRO Tr 4992

Jun 61

157,842

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Structures and Variations of the Solar Corona
by A. Unsold
RUSSIAN, per, Z. Astrophys Vol 50:57-68, 1960.
CSIRO/No. 9644

Sci-Astron
July 69 385,678

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Numerical Integration of the n-Body Problem for Star Clusters I., by S. von Hoerner. GERMAN, per, Z fuer Astrophysik, Vol L, 1960, pp 184-214.

NASA TT F-8401

AEC-UCRL-Tr-1069(L)
9223491

Sci - E, S, & Ast
Mar 64
U.S. GOVERNMENT ONLY

251,871

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Structure of the Active Chromospheres, by
M. Waldmeier.
GERMAN, per, Z fuer Astrophysik, Vol L, 1960,
pp 225-232.
NASA TT F-8427

Sci - Phys
Mar 64
U. S. GOVERNMEN T ONLY

252,020

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

R-4001-D
A High-Precision Standard for Primary Spectrophotometery, By J. P. Mehltretter.

GERMAN, per, Z fur Astrophysik, Vol LI, 1960, pp 32-48

*JPRS/Commerce/Na Bu Standards

Sci-Phys
April 64

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Activity of Cometary Tails in Periods of Low Geomagnetic Disturbances, by R. Lust.
GERMAN, per, Z fuer Astrophysik, Vol LI, 1961, pp 163-176.
NASA TT F-9149

Sci-Bar Sci & Astron
Jan 65
U.S. GOVERNMENT ONLY

270,973

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Development of an Anomalous Sun-Spot Group,
by M. Waldmeier.
GERMAN, per, Z fuer Astrophysik, Vol LII, 1961,
pp 1-6.
NASA TT F-8426

Sci - E. S. & Ast
Mar 64
U. S. GOVERNMENT ONLY

252,019

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Scattering of Electromagnetic Waves by Absorptive and Dielectric Spherical Particles and by Mixtures of Such Particles, by R. H. Giese, 45 pp. GERMAN, per, Z Astrophysik, Vol 51, 1961, pp 119-147.
ARL/RSIC-996-70
GOVERNMENT USE ONLY

Sci/Ast & Astroph
Nov 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On The Temperature Rise of the
Chromosphere Through Dissipation
of Turbulent Flow of Energy,
by A. Unsold.
GERMAN, per, Zeit Astrophys, Vol LII,
No 4, 1961, pp 300-302.
NASA TT F-8780

Sci-Phys
Mar 66

297,466

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Biermann, L., Lüst, R. and others.
STUDY OF THE INTERPLANETARY MEDIA BY MEANS OF THE ARTIFICIAL IONIZED CLOUDS (Zur Untersuchung des Interplanetaren Mediums mit Hilfe Künstlich Eingebrachter Ionenwolken). [1962] [15]p. 18 refs.
Order from SLA $1.60 62-20168

Trans. of Zeitschrift für Astrophysik (Germany) 1961, v. 53, no. 4, p. 226-236.

DESCRIPTORS: *Interstellar matter, *Ionization, *Clouds, Carbon compounds, Monoxides, Calcium, Barium, Strontium, Interference, Thermal diffusion, Solar spectrum, Solar radiation, Photographic plates, *Space probes.

The minimum mass necessary for producing an ionized cloud which can be detected and photographed for a sufficiently long time against the night sky has (Astronomy--Astrophysics, TT, v. 9, no. 11) (over)

62-20168

I. Biermann, L.
II. Lüst, R.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Motion add Shape of Structures in the Tail of the Mrkos Comet 1957 d, by R. Lust.
GERMAN, per, Z fuer Astrophysik, Vol LIV, 1962, pp 67-97.
NASA TT F-8576

TT-65-17160

Sci - E. S. & Ast
May 64
U.S. GOVERNMENT ONLY

258,637

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Optical Characteristics of Models of Interplanetary Matter, by R. H. Giese, H. Siedentopf, 28 pp.
GERMAN, per, Z Astrophsik, Vol 54, 1962, pp 200-216.
ARM/RSIC-Tr-997-70
GOVERNMENT USE ONLY

Sci/ Astro
Nov 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Absolute Radiation Intensity of the Center of the Sun in the Spectral Range of 4010-6569 A, by D. Labs, H. Neckel.
GOVERNMENT USE ONLY
GERMAN, per, Zeit Astrophys, Vol 55, 1962, pp 269-289.
NASA TT F-12,052

TTC - 72-11853-0313

Sci-Astron & Astrophys

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Use of Wide Spectrograph Slits in Photo-Electric Measurements of Polarization in Fraunhofer Lines, by F. Deubner.

GERMAN, per. Z fuer Astrophysik, Vol LVI, No 1, 1962, pp 1-6.

CSIRO/No 6157

Sci-Phys
July 65

236,275

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Absolute Radiation Intensity of the Center of the Sun inthe Spectral Range $4010 \leq \lambda \leq 6569$Å, by D. Labs, H. Neckel. GERMAN, per, Zeit fur Astrophysik, Vol 55, 1962, pp 269-289.
NASA Scientific & Tech Info Facility
FOR INTERNAL USE ONLY
CIA X-6920

Mar 69

377,246

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Interpretation of Interstellar Absorption Bands,
by A. Unsold.
GERMAN, per, Z fuer Astrophysik, Vol LVI, 1963,
pp 221-238.
NASA TT F-8491

Sci - E. S. & Ast
Mar 64
U. S. GOVERNMENT ONLY

252,015

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Numerical Integration of the n-Body Problem for Star Clusters II, by S. Von Hoerner.
HERMAN, per, Z fuer Astrophysik, Vol LVII, 1963, pp 47-82.
NASA TT F-8498
AEC-U.CRL-Tr-1069(L)
922328

Sci - E, S, & Ast
Mar 64
U. S. GOVERNMENT ONLY

252,018

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Gravitational Effects in the Encounter of Two Galaxies, by J. Pfleiderer, 15 pp.
GERMAN, per, Z fuer Astrophysik, Vol LVIII, 1963, pp 12-22.
Navy Tr 3929/NRL 990

Sci - Earth Sci & Astron
Oct 64

268,007

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Radio Observations of the Total Solar Eclipse of
15 February 1961, by O. Hachenberg, W. Freitag, et al,
36 pp.
GERMAN, per, Z fuer Astrophysik, Vol LVIII, 1963,
pp 28-56. 9696819
Amer Meteorol Soc
T-C-37

Sci - ES
Jun 65 279,632

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Photoelectric Measurement of Polarization in Fraunhofer-Lines in the Solar Spectrum, by G. Bruckner.
GERMAN, per, Zeitschrift Fur Astrophysik, Vol 58, No 136, 1963, pp 73-81
CSIRO/No. 7658

Sci-
Jul 67 334.076

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Structure and Limit of Detection of Telescopic
Star Images, by H.Schaffler.
GERMAN, per: Zeitschrift fur Astrophysik, 1964,
Vol.58, pp.170-186.
AF/AMS T-G-730
97RL096

Ashton/Hays
Aug 66

3041,671

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

L. Biermann

The possible mechanism for the exaitation of forbidden oxygen lines in comets.
GERMAN, Zeitschrift=fur Astrophysik, Vol 59, 1964, pp 1-28
NA *NASA TT F 14,636

NTC 73-10603-038

jan 73

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

The Time and Spectral Behavior of the Slowly Varying Component of Solar Radio Emission During the Present Sunspot Cycle, by A. Kruger, W. Kruger, G. Wallis.
GERMAN, rpt., Zeitschrift fur Astrophysik, Vol 59, No 1, 1964, pp 37-55.
P100217267

Sci - Atmos Sci
Aug.67

332,099

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

On the Existence of the Perhydroxyl Radical in Aqueous Solution and its Significance in Oxidation Reactions, by H. Staudunger, V. Ullrich.
GERMAN, per Z. aturf. Vol. 196, 1964, pp 877-882

Sci -
Aug 67

339-514

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3

Further Contributions on the Subject of Genus Aeromonas, by F. H. Caselitz. GERMAN, por, Zbl fuer Bakteriologie i Originale, Vol CLXXVIII, 1960, pp 15-24. FTD-TD-57-64

Sci - Biol & Med Sci
Aug 65

284,380

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250012-3